| Inde | ex of C | laims |  |
|------|---------|-------|--|
|      |         |       |  |

Rejected

Allowed

| Application No.     | Applicant(s)    |  |
|---------------------|-----------------|--|
| 09/667,566          | NAKAMURA ET AL. |  |
| Examiner            | Art Unit        |  |
| Jeanne A. Di Grazio | 2871            |  |

Jeanne A. Di Grazio

(Through numeral) Cancelled Restricted

Non-El cted N Interference

Appeal Α o Objected

| ~     | aim          |                         | _            |  | De       | de.  | _        |          |          | 1::::    | С                | aim      | Γ              |                         |                         | Di       | de       |        |  | _            |      | C  | laim_    | L  |          | _,       | _Ç       | ate     | -      |  |          |   |
|-------|--------------|-------------------------|--------------|--|----------|--|----------|----------|----------|----------|------------------|----------|----------------|-------------------------|-------------------------|----------|----------|--------|--|--------------|------|--|----------|----|----------|----------|----------|---------|--------|--|----------|---|
| Final | Original     |                         | T            |  | Ť        |  |          |          |          |          | Final            | Original |                |                         |                         |          |          |        |  |              |      | Final  | Original |    |          |          |          |         |        |  |          |   |
| _     | 1            |                         |              |  |          |  |          |          |          |          |                  | _L       | L              |                         | $\downarrow$            | 4        | 4        | ╀      | ╀-   | ļ_           |      |  | 101      | ╀  | Н        | $\dashv$ | $\dashv$ | -       | -      | +  | $\dashv$ | - |
|       |              | N                       | I            | ┸  | ┸        |  | 4        | 1        | 1        | 4        | <u> </u>         | 51       | ├-             | ┰                       | -1                      | +        | ┿        | ╁      | ╁╌   | ⊢            | 1    | <del>                                     </del> | 102      |    | $\vdash$ | $\vdash$ | -        | 寸       | ヿ      | $\dashv$   | ヿ        | Г |
| _     | 2            | N                       |              | ┸  | 1        |  | ┵        | ┸        | ╀-       | 4        | ⊢                | 52       | ┞              | -1                      | -                       | +        | ╅        | ╀      | +-   | ┢            | 111  | -  | 103      |    | Н        | Н        | $\neg$   |         | _      | $\neg$   | ╗        | Γ |
|       | 3            | N                       | _            | 1  | ᆚ        | $\perp$  | _        | $\bot$   | 4        | 4:       | <u> </u>         | 53       | ١-             | ┨                       | +                       | +        | +        | ╁      | +  | $\vdash$     | -    | ⊢  | 104      |    | Т        |          |          | $\neg$  | ╗      | 7  | $\neg$   | Γ |
|       | 4            | N                       | $\perp$      | $\perp$  | 1        | $\perp$  | 1        | $\bot$   | 4_       | -        | <u> </u>         | 54       | <b>├</b>       | ┨                       | $\dashv$                | +        | +        | ╁      | +  | ┢            |      | ⊢  | 105      |    |          | П        |          |         | $\neg$ | $\neg$   | $\neg$   | Γ |
|       | 5            | N                       | _            | 1  | ┵        | 4  | 4        | ┵        | +        | 4:::     | <b> </b>         | 55       | <del> </del> − | ╌┤                      | $\dashv$                | +        | +        | ╫      | ╅  | ┰            | -    | ⊢  | 106      |    | $\vdash$ | П        |          |         |        | $\neg$   | 可        | Γ |
|       | 6            | N                       | ┙            | 1  | 1        | 4  | 4        | 4        | _        | 4        | <b> </b>         | 56       | ╀              | +                       | -+                      | +        | +        | ╀      | +-   | ╁            | ┨    | ├─   | 107      |    | 1        | Н        |          |         |        | $\neg$   | $\neg$   | Γ |
| _     | 77           | М                       | _            | 4  | _        | 4  | 4        | 1        | 4-       | 4        | <u> </u>         | 57       | ╀╌             | ╁╌┤                     | $\dashv$                | +        | +        | ┿      | +-   | ╁            | 1::: | $\vdash$   | 108      |    | 1        |          |          |         |        | П  | ╗        | Γ |
|       | 8            | 11                      | _1           |  | $\perp$  | _  | 4        | 1        | 4        | -        | <u> </u>         | 58       | ١              | ╂╌┤                     | -+                      | +        | -        | ╁      | +  | ╁            | 1    | <del>                                     </del> | 109      |    | T        |          |          |         |        | П  | П        | Γ |
|       | 9            | 1                       | _            | 4  | _        | $\perp$  | 4        | 4-       | -        | 4        | -                | 59       | H              | +-                      | -                       | +        |          | ╁      | ╅╴   | ╁            | 1    | $\vdash$   | 110      |    | 1        |          | П        |         |        | $\neg$   |          | Γ |
|       | 10           | 1                       |              | _  | _        | 4  | _        | 4        |          | 4        | <b> </b> -       | 60       | ╀              | 1-                      | $\vdash$                | +        | +        | ╁      | +  | ┪            | -    | $\vdash$   | 11       |    | 1        |          |          |         | ,      |  | $\neg$   | Γ |
|       | 11           | 1                       | ┙            | ┙  | ┵        | 4  | _        | 4        | 4        | 4:::     | ⊩                | 61       | ╄              | $\vdash$                | $\vdash$                | +        | +        | ╁      | ┰  | ┰            | 1    | $\vdash$   | 111      |    | †        |          |          |         |        | П  |          | Γ |
|       | 12           | M                       | ᆚ            |  | 4        | _  | 4        | -        | 4        | 4:::     |                  | 62       | ╀              | ╌                       | ┥                       | +        |          | ╁      | +-   | +-           | -    | <b>—</b>   | 113      |    | 1        |          |          |         |        | П  |          | Γ |
|       | <b>(13</b> ) |                         | _            | 4  | _        | _  | 4        | $\perp$  | - -      | -4:::    | <u> </u>         | 63       | +-             | ┼                       | ┥                       | +        | +        | ╫      | +  | ╁            | 1    | -  | 114      |    | Τ        |          | Г        |         |        | П  |          | Γ |
|       | 14           | N                       | _            |  | _        | _  | 4        | +        | 4        | -        | -                | 64       | +-             | ╀                       | H                       | +        | +        | +      | ┰  | ╁            | -    | H  | 111      |    | $\top$   |          | Г        |         |        |  |          | ſ |
|       | 15           | N                       | _            | 4  | 4        | _  | 4        | +        | +        | 4::      | ⊩-               | 65       | +-             | ╁╴                      |                         | $\dashv$ | $\dashv$ | +      | +-   | 1            | 1    | $\vdash$   | 111      |    | T        | Т        | Г        | Г       | Г      |  |          | Ī |
|       | 16           | N                       | $\dashv$     | 4  | 4        | 4  | 4        | +        | +        | 4        | <b>—</b>         | 66<br>67 | ╀              | ╫                       | ┤┤                      | ┪        | +        | ╅      | +  | ╅            | -    | $\vdash$   | 11       |    | 1        | Τ        | Г        | Г       |        |  |          | I |
|       | 17           |                         | $\exists$    | 4  | _        | _  | 4        | +        |          | -        |                  | 68       | ╁              | ╫                       | ┨                       | +        | ╅        | +      | +-   | +            | -    |  | 111      |    | T        |          | Π        |         |        |  |          | Ι |
|       | 18           | $\Box$                  | -1           | 4  | _        | -  | +        | +        | +        | -10      |                  | 69       | +-             | +-                      | 1-1                     | 7        | +        | +      | +  | 十            |      |  | 111      |    | Т        | Т        | Π        |         |        |  | _        | 1 |
|       | 19           | $\downarrow \downarrow$ | 4            | -1   | -        | _  | -        | +        | +        | - ::     | : <del> </del> — | 70       | ╫              | +-                      | ┝═┪                     | -        | -+       | +      |  | +            | ┥:   | $\vdash$   | 12       |    | Т        | Т        | Г        |         |        |  |          | 1 |
| _     | 20           | $\sqcup$                | _            | -4   | -        | -  | 4        | +        | +        | -10      | -                | 71       | +              | +                       | Н                       | ┪        | 十        | 十      | +  | 十            | ٦.   |  | 12       |    | Τ        | Т        |          |         |        |  | L        |   |
| _     | 21           | +                       |              | 4  |          | $\dashv$   | $\dashv$ | +        | +        | -        | $\vdash$         | 72       |                | ╫                       | 1-1                     | 1        | 1        | +      | _  | +            | 7::  |  | 12       |    | Т        | T        | П        |         |        |  | ட        |   |
|       | 22           | ┦┦                      | _            | -  | -        | -  | -+       | +        | +        | -[       | -                | 73       |                | +-                      | H                       | ┪        | -        | +      | +  | +            | ╗    |  | 12       | 3  | T        | L        |          |         |        |  | L        |   |
|       | 23           |                         |              | -4   |          | -+   | -        | -        | +        | -        | -                | 74       |                | +-                      |                         | $\dashv$ | +        | 1      |  | 1            | 7    |  | 12       |    | I        | L        |          |         | L      |  | 辶        | _ |
|       | 24           |                         |              | -  | -+       |  | -        | +        | +        |          | 1                | 75       |                | +                       | 1                       |          | _        | ナ      | 十  | 1            | ٦.   | Г  | 12       |    | $\top$   |          | L        |         |        | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ | <u>_</u> | _ |
|       | 25           |                         | _            |  | -        | -+   | -+       | +        | +        | - ::     | -                | 76       |                | +                       | 1 1                     | Н        | $\dashv$ | 十      | ┪  | 1            | ╗    |  | 12       | 6  | Τ.       | L        |          |         | L      | $\perp$  | 乚        | _ |
| _     | 26           | 4-1                     | _            |  |          | -  | -        | -        | +        | -        | $\vdash$         | 177      |                | +-                      | $\vdash$                | $\Box$   |          | +      | $\neg$   | 1            | 7::  | Т  | 12       | 7  |          |          | L        | L       |        |  | L        |   |
|       | 27           | 4-1                     | _            |  |          | -  | -        | +        | +        | -10      | $\vdash$         | 78       | +              | ╁                       | 1                       | Н        |          | 7      | 1  | +            |      |  | 12       | В  | Т        |          |          | L       | L      | 1.   | L        | _ |
| _     | 28           |                         | -            | -  | -        | $\vdash$   | -1       | +        | +        |          | -                | 79       | +              | ╁                       | +                       | Н        | 1        | 1      | $\top$   | 1            |      |  | 12       |    | 1.       | L        | L        | 上       | 1      | _  | <u> </u> |   |
| _     | 29           |                         |              | $\dashv$   | -        | $\dashv$   | +        | ┪        | +        | ٦.       | -                | 80       |                | +-                      | 1-                      | П        |          | 7      | $\neg$   | 1            | 7    |  | 13       | 0  |          |          | 1_       | $\perp$ | L      | ┺  | ╙        |   |
| _     | 30           |                         |              | -  | $\dashv$ | $\vdash$   | {        | $\dashv$ | +        | -4:      | -                | 81       |                |                         | 1                       |          | $\Box$   | ┪      | $\top$   | Т            | 7    |  | 13       |    | L        | ┸        | ┸        | 1       | ┺      | ↓_   | ╄        | _ |
|       | 31           |                         | _            |  | $\dashv$ | $\vdash$   | -1       | +        | +        | $\dashv$ | -                | 82       |                | +                       | 1                       |          | П        | 7      | $\top$   |              |      |  | 13       |    | 丄        | ┸        | ┸        | ┸       | ┸      | 1_   | ┺        | _ |
| _     | 32           |                         | -            | $\vdash$   | $\dashv$ | Н  | -1       | $\dashv$ | -+       | -        | -                | 8        |                | +                       | 1                       |          | П        | ┪      | Т  | Т            |      |  | 13       |    | ┸        | ┸        | ┸        | ┸       | ↓-     | ╄-   | ╄-       | _ |
| _     | 33           |                         | -            | $\vdash$   | $\vdash$ | Н  | -        | -+       | +        | -1:      |                  | 84       |                | 十                       | T                       | Г        | П        | ╗      | $\neg$   | T            |      |  | 13       |    | ┸        | ┸        | ╀        | 4       | 1      | ╄  | ↓_       | _ |
| _     | 34           | -                       | ┝            | -  | Η        | Н  | Н        | $\dashv$ | $\dashv$ | -        | -                | 8        |                | Т                       | Т                       | Г        |          | $\neg$ |  | $\perp$      | _]:  | L  | 13       |    | $\bot$   | 4        | 4        | ┸       | 1_     | ↓_   | ╄        | _ |
| _     | 36           |                         | -            |  | Н        | Н  | $\dashv$ | -1       | 十        | -        |                  | 8        |                | $\neg$                  | 1                       | Г        |          | $\Box$ | $\Box$   |              |      |  | 13       |    | 4        | ┸        | 4        | ↓_      | 4-     | ╀-   | ╀        | _ |
| _     | 37           |                         | ┝            | Η  | Н        | Н  | Н        | $\dashv$ | $\dashv$ |          |                  | 8        |                |                         |                         |          |          |        | 丄  | $\perp$      | _    | _  | 13       | _  | 4        | +        | 4-       | ╄       | +-     | +-   | ╀        | - |
|       | 36           |                         | $\vdash$     | Н  | Н        | Н  | Н        | $\vdash$ | $\dashv$ | 7        |                  | 8        |                | $\top$                  | $\top$                  | П        |          |        |  |              | _    | L  | 1:       |    | _        | ┸        | 4        | 4-      | 4-     | ┼  | ╄        | _ |
| _     | 39           |                         | $\vdash$     | ┢  | $\vdash$ |  | Н        | $\vdash$ | 寸        | 1        |                  | 8        | 5              | ┰                       | 7                       |          |          |        |  |              | _    | L  |          | 19 | 4        | -        | ╀        | ╀       | +      | +-   | ╀        | _ |
| -     | 40           |                         | 1            | $\vdash$   | ┰        | H  | $\vdash$ | $\vdash$ | 7        | 1        |                  | 9        | 2              | $\perp$                 | $\prod$                 |          |          | _]     |  | ┵            | _    |  |          | 10 | +        | +        | +        | +       | ╀      | ╁  | ╁        | _ |
| _     | 4            |                         | ٢            |  |          |  |          | H        | -        | 7        |                  | 9        | 1              | $\Box$                  | $\prod$                 |          |          | _]     | $\perp$  | _            | _    | 1  |          | 11 | 4        | -        | +        | +       | +      | +  | +        | - |
| _     | 4            |                         | ✝            | <del>                                     </del> | $\vdash$ | <del>                                     </del> |          | $\vdash$ |          | 7        |                  | 9        |                |                         | $\perp$                 | 匚        | $\Box$   |        | $\perp$  | $\downarrow$ | 4    | J.   |          | 12 | +        | +        | +        | +       | +      | +  | ┿        | - |
| _     | 4:           |                         | t            | ✝  | 1        | <del>                                     </del> | _        | Н        | $\dashv$ | 7        | Г                | 9        | 3              |                         | $\perp$                 |          |          | _]     |  | 4            | _    | 1  |          | 13 | 4        | -        | +        | +       | +      | ╁  | ┿        | - |
|       | 4            |                         | 1-           | ✝  | $\vdash$ | t -  | $\vdash$ | Η        |          | 7        |                  | 9        |                | $oldsymbol{\mathbb{T}}$ | L                       |          |          |        | ot   | 4            | _    | -  _   |          | 14 | -        | -        | +        | +-      | +      | +  | ╁        | _ |
| _     | 4:           |                         | 1            | $t^-$  | ┪        | T  | $\vdash$ | П        | $\Box$   | 7        |                  | 9        | 5              | I                       | $oldsymbol{\mathbb{L}}$ |          |          |        | $\sqcup$   | _            | _    | L  |          | 15 | -+       | +        | +        | +       | +-     | ╁  | +        | - |
|       | 4            |                         | 1-           | 1  | Η        | T  | г        | П        | $\sqcap$ | 7        |                  | 9        |                |                         | $oldsymbol{\mathbb{I}}$ |          | $\Box$   |        |  |              | _    | <u> </u>   |          | 46 | $\dashv$ | +        | +        | +       | +      | +  | +-       | _ |
|       | 4            |                         | <del>ऻ</del> | 1  | ✝        | $t^-$  |          | М        | H        | -1       |                  | 9        |                | $\Box$                  | $\perp$                 | L        |          |        | Ц  | _            | _    | :: _   |          | 47 | $\dashv$ | +        | +        | +       | +      | +  | ╁        | _ |
| _     | 4            |                         | +            | ┢  | 1        | +  | 1        |          | Н        | -1       |                  | 9        |                | $\Box$                  | Ι                       | L        |          |        | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ | _            | _    | L  |          | 48 | +        | -        | +        | +       | +      | +-   | +        | _ |
| _     | 4            |                         | +-           | +  | 1        | 1  | 1        |          | Н        |          |                  | 9        | 9 ]            | $\Box$                  | $\perp$                 |          |          |        | Ш  | $\perp$      |      | : -  |          | 49 | -4       | -        | +        | -       |        | +  | +        | _ |
|       |              | <del>}</del>            | ┰            | +  | +        | 1  | 1        | $\vdash$ | Н        |          |                  | 10       | 00             | 7                       | T                       |          | 1        |        | 1 1  | ı            |      | :::L   | 1_1      | 50 | _1       | ᆚ        | 丄        |         |        |  |          | _ |